

PEAK ESCAPEMENT RECORD

103-90-27 continued

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
9/5/72		177	8 coho	No survey
1973				
9/3/74	2,000	None seen	None seen	
8/29/75	2,020	30	None seen	
8/28/76	15,000	None seen	None seen	
8/30/77	25,000			
8/28/78	12,000			
8/17/79	20,050			
8/24/80	15,006			

Name: Gutchi Creek
Latitude: 55°52'50" 51"
Longitude: 133°07'48" 44"
Geodetic Map No: Craig D-4
Location: Gutchi Creek and tributaries,
its lake systems and their tributaries

103-90-10270
Catalog No: 103-90-27
Former Stream No: FRI 23B & 28, FWS 23B & 28,
ADF stat. # WC53 ADF 161B
Work Area: Ketchikan
Watershed Length: 3 miles
Drainage Area: 1.7 mi
Water Supply Type: source is at a lake

Trails & Survey Routes: easily hiked the entire distance

Aerial Survey Notes: good surveys could be conducted over intertidal zone, but
channel becomes partially blocked by canopy upstream

Anchorage: deep channel in Naukati Bay beyond tideflats is favorable

Tide Stage when Surveyed: low

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area):
major species pink, with some previous low chum counts; coho fry abundant during
entire survey; good spawning and rearing areas along entire area surveyed; salmon
carcasses were noted

Spawning area: 901m² total (none in intertidal zone)

Schooling Areas: good area below mouth of stream on tideflat

Spawning Areas: favorable areas condensed toward the middle transects of the
survey, but were discontinuous with rearing pools and cascades

SHELLFISH POTENTIAL: clams present; no crabs observed, but ITZ characteristics,
such as profuse eel grass and soft bottom suggest favorable environment for crabs
and other crustacea

SPORT FISHERIES: seven unidentified mottled trout were observed; current water
levels and channel arrangement could support a larger trout fishery

LAND USE (history, present, proposed): active logging is taking place in
the area, and a proposed bridge and logging road will cross the stream at the falls;
road has been cleared on left bank, and some silt is being deposited from stumps and
unstable mud banks into the stream

REHABILITATION POTENTIAL: none necessary

SOILS: generally stable throughout, with exception to site of logging road
construction; some unstable dirt/gravel banks occur; also the stream has a large
amount of silt and debris accumulations suggesting erosion upstream

GAME RESOURCES (species, use, habitat): one doe seen on intertidal zone,
two does seen browsing upstream; one mink observed

poor spawning conditions available 0% ASA

50% bedrock/boulder
40% cobbles
10% fine gravelrecently constructed logging
road to left bank and
proposed bridge sitemoss covered bedrock banks with
narrowing of channel; bedrock
continues into stream channel

survey markers

dense salmonberry

10' riffles

bedrock streambed

5° slope

several pink salmon
carcasses observed

10° slope

60.0m
105°
2%

bedrock channel bed present

15' riffles

cutbanks with active 30/70 pool/riffle
erosion occurring

average stream width 13'

rearing pools have large
deposits of silt and debris
in them198'x20'x15'=54.6m² ASA

30' x 6" pool

barrier to
migration of salmon
at low flow(1301m)
4293'average stream
width 25'45' wide braided area
5' riffles40% fine gravel
20% cobbles
40% large cobbles/
small boulders

2° sloped bank

85.5m
70°
2%

debris jam restricts flow

2° sloped
banks

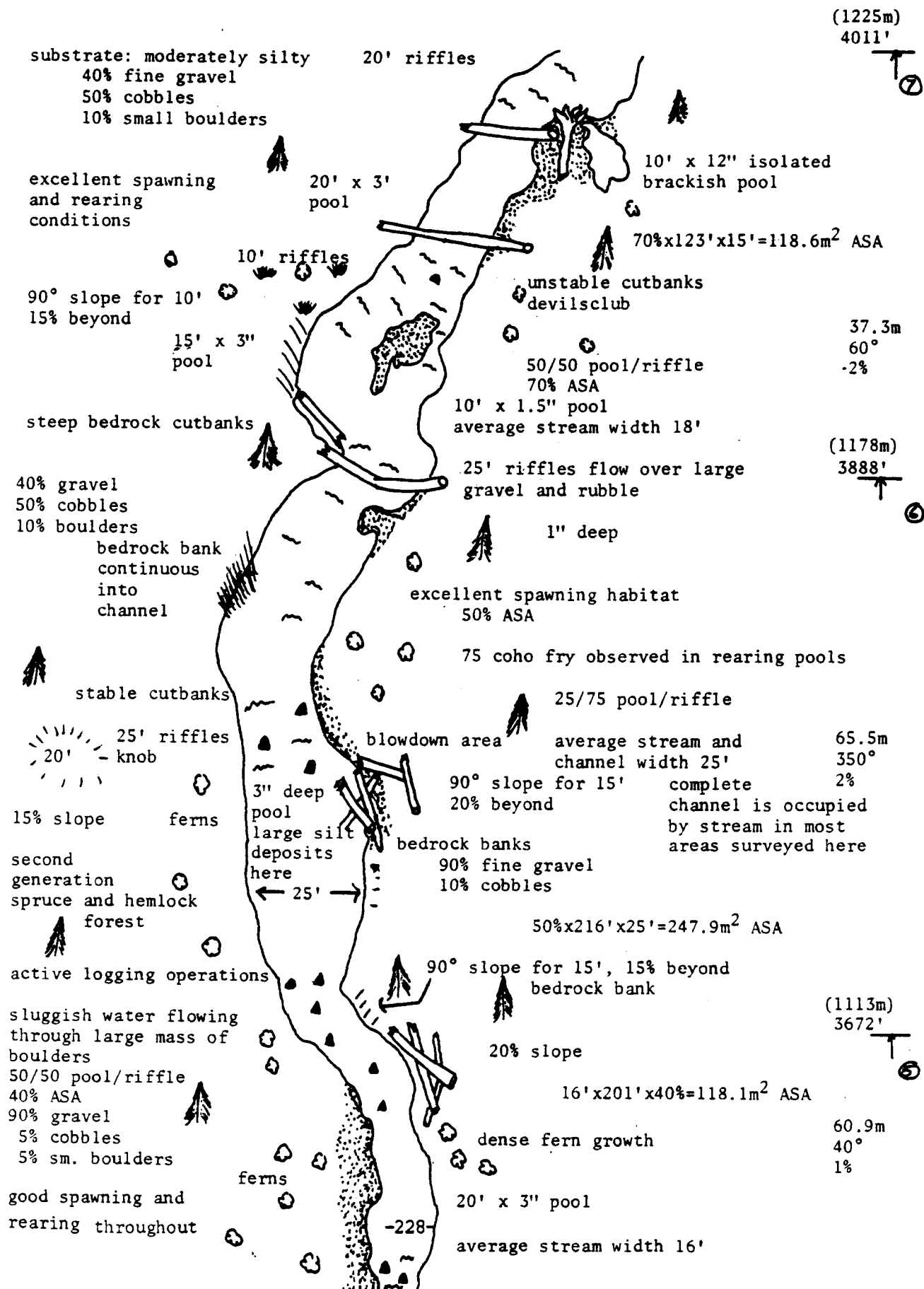
20% ASA

20'x282'x20'=103.6m² ASA

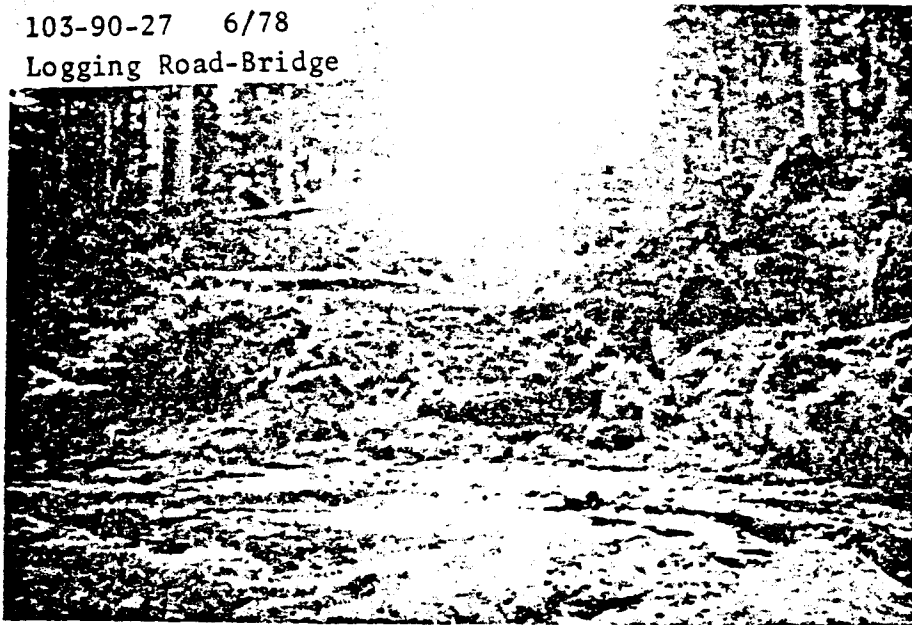
10/90 pool/riffle

good rearing in area, but
poor available or potential
spawning conditions found

25' riffles



103-90-27 6/78
Logging Road-Bridge



103-90-27 6/78
4740' Upstream

